

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A cooling air supply system for an aircraft and configured to supply cooling air from the surroundings of an [[the]] aircraft to at least two devices requiring cooling air within the aircraft, the cooling air supply system comprising:
 - an air inlet,
 - an air channel communicating with the air inlet,
 - an air distribution device for the distribution of air from the air channel to the at least two devices requiring cooling air, the air distribution device being located downstream from the air channel and upstream from the at least two devices requiring cooling air, and
 - at least one shutter disposed in the air distribution device and configured to throttle the distribution of air from the air channel to the at least two devices requiring cooling air,
 - whereby the air inlet is sized to provide sufficient air flow to accommodate a maximum cooling air requirement of the at least two devices requiring cooling air.
2. (Currently Amended) The [[A]] cooling air supply system of in accordance with claim 1, characterized in that the air inlet is a National Advisory Committee for Aeronautics (NACA) air inlet in an outer skin of the aircraft.
3. (Currently Amended) The [[A]] cooling air supply system of in accordance with claim 1, characterized in that the air channel communicating with the air inlet has a diffuser.

4. (Currently Amended) The [[A]] cooling air supply system of in accordance with claim 3, characterized in that there is at least one air compressor in the diffuser or in one of the first bypass lines leading off from the diffuser.

5. (Currently Amended) The [[A]] cooling air supply system of in accordance with claim 4, characterized in that the air compressor is a turbo-compressor.

6. (Currently Amended) The [[A]] cooling air supply system of in accordance with claim 3, characterized in that a check valve is provided in the diffuser or in one of the second bypass lines leading off from the diffuser, which prevents the cooling air from flowing back into the diffuser.

7. (Currently Amended) The [[A]] cooling air supply system of (10) in accordance with claim 6, characterized in that the first bypass line and the second bypass line are arranged in parallel.

8. (Currently Amended) The [[A]] cooling air supply system of in accordance with claim 3, characterized in that a cooling air collection chamber is located downstream of the diffuser and the parallel arrangement of the first and second bypass line.

9. (Currently Amended) The [[A]] cooling air supply system of in accordance with claim 8, characterized in that there is at least one cooling air supply line positioned between the cooling air collection chamber and each of the devices requiring cooling air.

10. (Canceled).

11. (Currently Amended) The [[A]] cooling air supply system ~~of in accordance with~~ claim 1, characterized in that a pack bay ventilation system is the device requiring cooling air.

12. (Canceled).

13. (Currently Amended) The [[A]] cooling air supply system ~~of in accordance with~~ claim 1, characterized in that an on board oxygen generation system (OBOGS) is the device requiring cooling air.

14. (Canceled).

15. (Currently Amended) The [[A]] cooling air supply system ~~of in accordance with~~ claim 1, characterized in that the device requiring cooling air includes a heat exchanger which uses the cooling air in order to eliminate heat.

16. (Currently Amended) The [[A]] cooling air supply system ~~of in accordance with~~ claim 1, characterized in that the at least two devices requiring cooling air are connected with a common cooling air outlet by ~~means of~~ expelled air pipes.

17. (Currently Amended) An aircraft comprising:

an outer skin;

at least two devices requiring cooling air; and

a cooling air supply system including:

an air inlet at the outer skin,

an air channel communicating with the air inlet,

an air distribution device for the distribution of air from the air channel to the at least two devices requiring cooling air, the air distribution device being located downstream from the air channel and upstream from the at least two devices requiring cooling air, and

at least one shutter disposed in the air distribution device and configured to throttle the distribution of air from the air channel to the at least two devices requiring cooling air,

whereby the air inlet is sized to provide sufficient air flow to accommodate a maximum cooling air requirement of the at least two devices requiring cooling air.